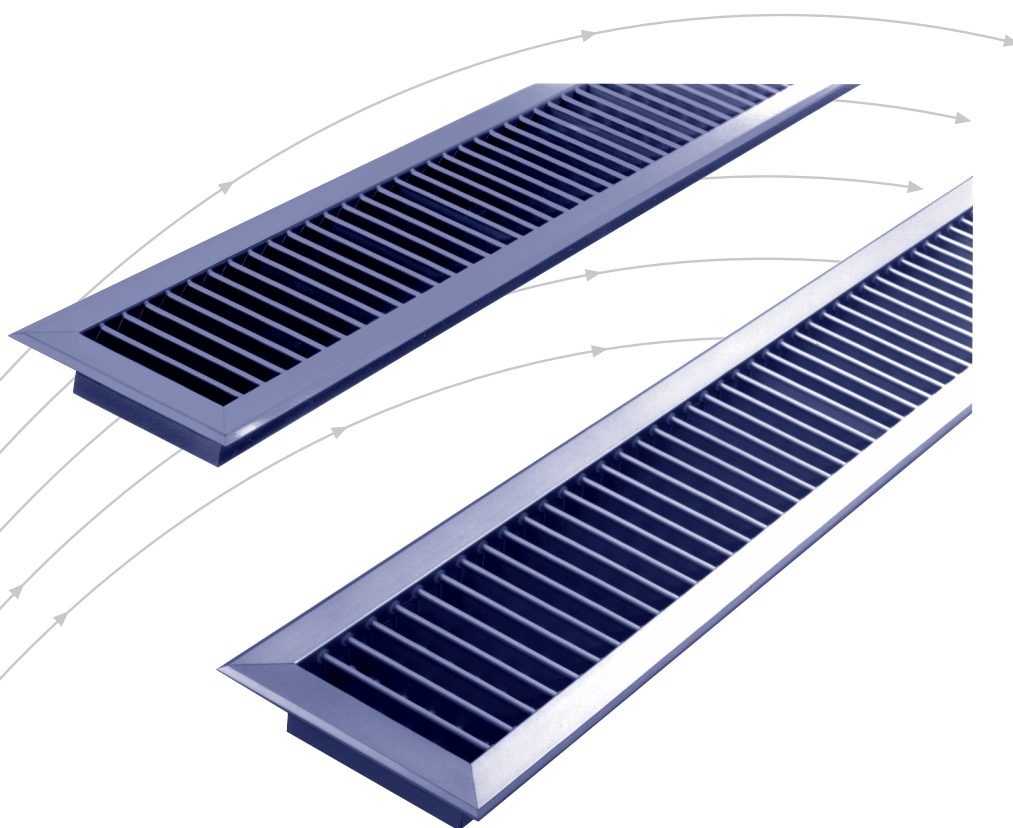


# Continuous diffusion grilles

Type DG / DGL



**TROX**® **TECHNIK**



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## Realisation

The continuous diffusion grilles have an effective free surface of 77% and will be delivered in sections.

### DG1 + DGL1

Individually adjustable vertical and horizontal blades, angular frame with screwless attachment and foam gasket, steel plastic coated, color white RAL 9010 or aluminium, colorless anodized (DGL 1).

### DG3 + DGL3

Individually adjustable vertical blades, angular frame with screwless attachment and foam gasket, steel powder coated, color white RAL 9010 or aluminium, colorless anodized (DGL 3).

### DGX (Inox)

On request

## Application

The continuous diffusion grilles can be used as supply or exhaust air grilles and look very attractive. They can be inserted in ceilings or walls and integrate themselves in any kind of rooms.

### DG5P + DGL5P

Same grille as DG 1/DGL 1, with aluminium volume control unit mounted on rear side comprising a flap casing and flap.

### DG6 + DGL6

Same grille as DG 1/DGL 1, with opposed blade damper, volume control unit mounted on rear side made of galvanized steel sheet metal, blades of extruded aluminium.

### DG8 + DGL8

Same grille as DG 3/DGL 3, with opposed blade damper, volume control unit mounted on rear side made of galvanized steel sheet metal, blades of extruded aluminium.

### MR

Masonry frame of galvanized steel, with distance brackets.

### DGX (Inox)

On request

## Safety instructions

### CAUTION!

**Risk of injury from sharp edges and corners, ridges and thin-walled sheet metal parts!**

- Proceed carefully with all work.
- Wear protective gloves, safety shoes and protective helmet.

### WARNING!

**Danger from incorrect use. Misuse of the product may lead to dangerous situations.**

The product must not be used:

- in areas subject to explosion hazards;
- in the open air without sufficient protection against weather effects;
- in atmospheres that may have a damaging and/or corrosive effect on the product due to scheduled or unscheduled chemical reactions.

### CAUTION!

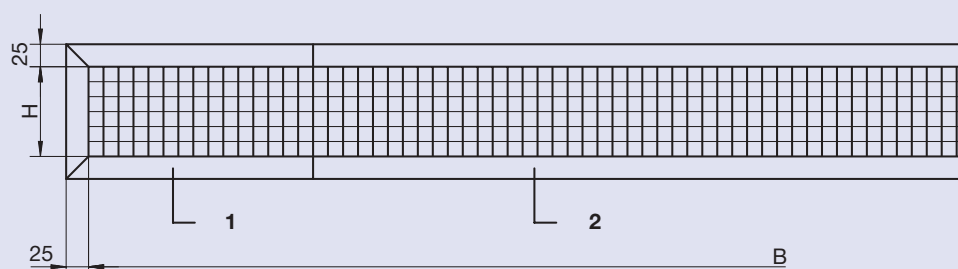
**Damage to the product due to improper handling. Check the device for damage and contamination prior to operation!**

Improper handling may lead to considerable material damage of the product.

- Do not use any acid or abrasive cleaning agents.
- Adhesives from sticky tape may lead to colour damage.
- Excessive moisture may lead to colour damage and corrosion.
- Use only cleaning agents, greases and oils that are expressly specified.

## Dimensions

### View of the grille

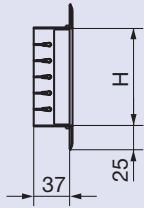


- 1 end unit
- 2 intermediate unit

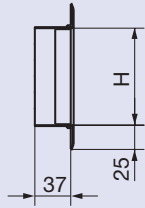
# Dimensions · Installation

## Sections of the grilles

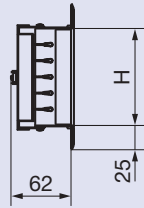
DG1 / DGL1



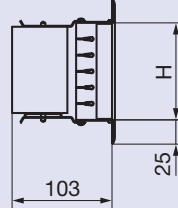
DG3 / DGL3



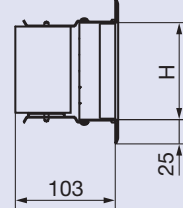
DG5P / DGL5P



DG6 / DGL6



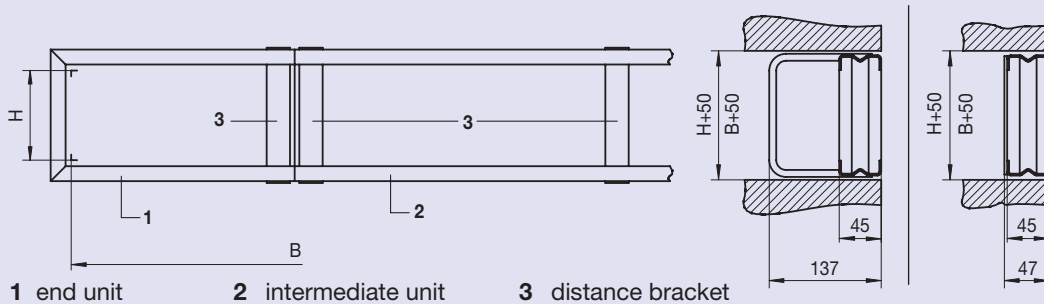
DG8 / DGL8



The duct openings for mounting **without** masonry frame are:  $(B + 15 \text{ mm}) \times (H + 10 \text{ mm})$ .

## Masonry frame reinforced for standardized continuous diffusion grilles

Only for  
DG1 and DG3

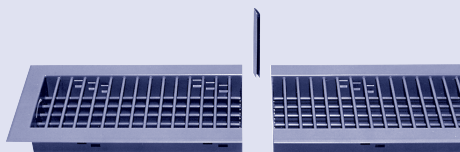


1 end unit      2 intermediate unit      3 distance bracket

H [mm]	Type				
	DG1 / DGL1	DG3 / DGL3	DG5P / DGL5P	DG6 / DGL6	DG8 / DGL8
50	x	x	x	x	x
100	x	x	x	x	x
150	x	x	x	x	x
200	x	x	x	x	x
250	x	x	x	x	x
300	x	x	x	x	x

## Installation

End and intermediate grilles are joined by means of a coupling lamina. The joints are visible after mounting.

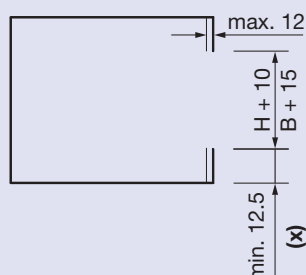


Installation of standardized continuous diffusion grilles is very simple since they are equipped with a screwless, invisible attachment system.

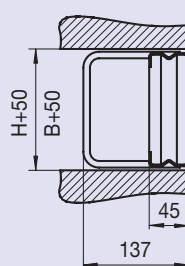
Installation instructions see prospectus L-02-1-31e

No masonry frame is required for sheet-metal, wood, or eternite ducts up to a wall thickness of 12 mm. Brick, concrete, or plaster ducts require a masonry frame. If grilles are fitted into duct connectors, the connectors should be provided with an inward bend of 12,5 mm on both longitudinal sides.

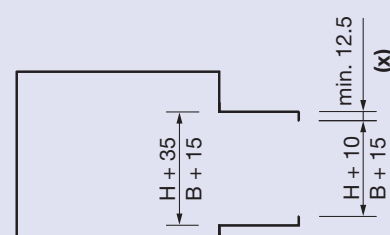
### Duct mounting



### Masonry frame mounting



### Duct connector mounting

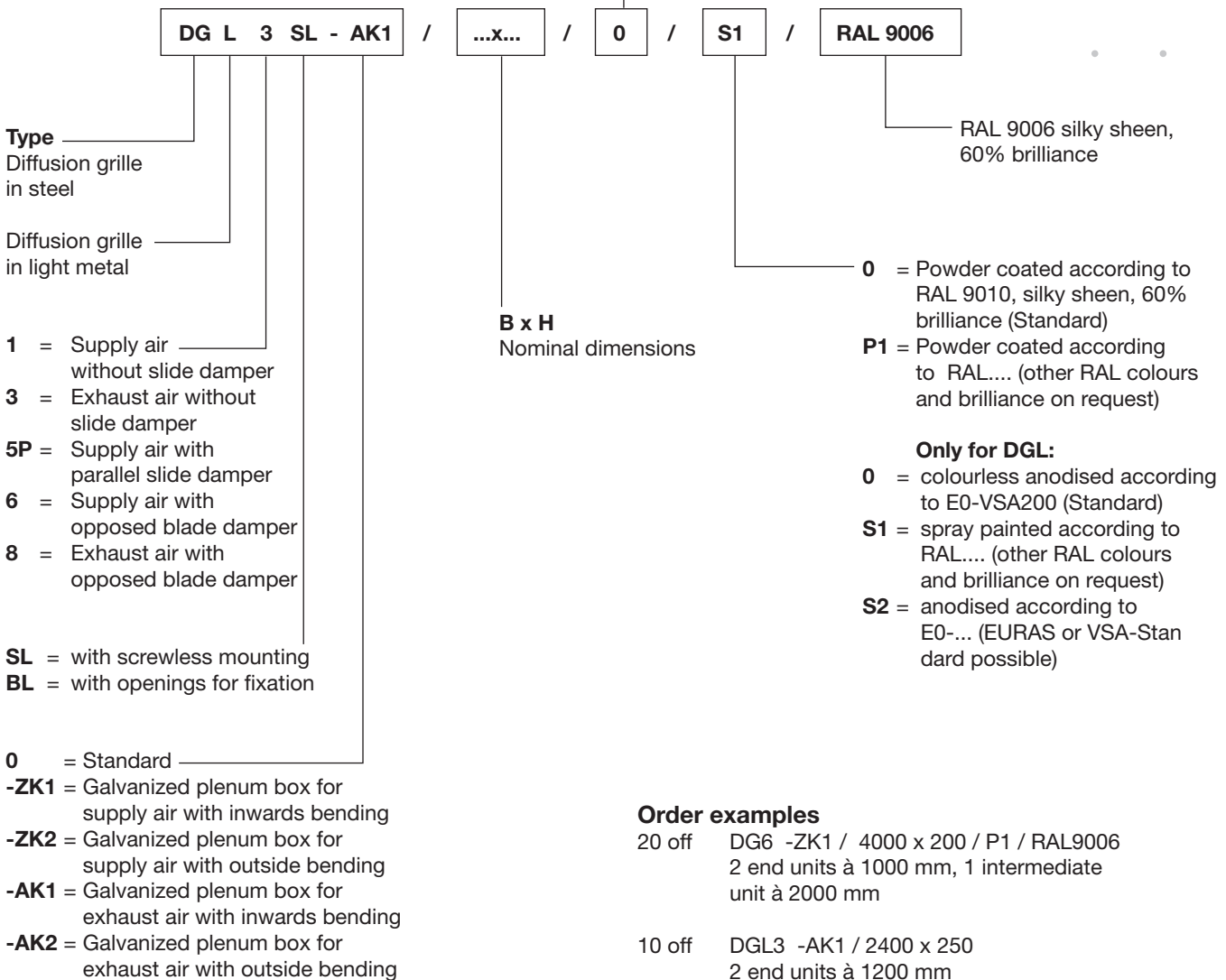


(x) This dimension **has** to be kept absolutely!

# Order details

## Order codes

No details for standard products



## Text for tendering purposes

TROX HESCO standardized continuous diffusion grilles for supply or exhaust air, with individually adjustable vertical and horizontal blades. With/without mounted volume control unit: suitable for mounting in ceilings, walls or sills. Angular frame with screwless attachment and foam gasket (see prospectus L-02-1-10e).

## Material

### Steel

Blades, angular frame powder coated RAL 9010, silky sheen, 60% brilliance, volume control of steel and aluminium.

### Aluminium

Blades, angular frame of colorless anodized aluminium, volume control of aluminium.

### Stainless steel

On request.